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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/938,886	08/24/2001	Mukesh K. Patel	032481-034	3543

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EXAMINER

DAS, CHAMELI

ART UNIT PAPER NUMBER

2192

DATE MAILED: 10/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

09/938,886

Applicant(s)

PATEL ET AL.

Examiner

CHAMELI C. DAS

Art Unit

2192

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on RCE filed on 8/22/05.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 506-533, 535-541, 543, 545-557, 559-586, 588-596, 599-607 and 609-615 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 506-533, 535-541, 543, 545-557, 559-586, 588-596, 599-607 and 609-615 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 8/24/01 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.

- 4) ☒ Interview Summary (PTO-413)
Paper No(s)/Mail Date 9/29/05
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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1. This action is in response to the RCE filed on 8/22/05.
2. In view of the Terminal Disclaimer filed on 8/16/04 and 7/28/05 the double patenting rejection of the claims made in the previous office action is hereby withdrawn.
3. Claims 530, 532-533, 536-537, 540, 543, 545-546, 559, 583, 585-586, 589, 593-594, 599 have been amended.
4. Claims 1-505, 534, 542, 544, 558, 587, 597-598, 608 have been cancelled.
5. Claims 506-533, 535-541, 543, 545-557, 559-586, 588-596, 599-607. 609-615 are pending.

Specification

6. The disclosure is objected to because of the following informalities:

In the specification:

On page 5, lines 14-15, describe the Figure 7. Figure 7 is not in the Drawing.

On pages 5-7, in the "Brief description of the Drawings" section describes

Figure 8 - Figure 20. Figure 8 – Figure 20 are missing from the drawings.

On page 5, lines 16-17, the "Brief description of the Drawings" contains Figures 7A-7D. There is no descriptions of Figures 7A-7D in the specification.

Figure 1 – Figure 6 should be labeled as –PRIOR ART— because those drawings describe only the parent invention.

Appropriate correction is required.

Drawings

7. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because the drawings filed on 8/24/01 are not complete. In drawings Figure 8 – Figure 20 are missing.

Figure 1 – Figure 6 should be labeled as –PRIOR ART— because those drawings describe only the parent invention.

Applicant is advised to employ the services of a competent patent draftsman outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

Claim Objections

8. Claim 557 is objected to because of the following informalities:

In claim 557 line 1, "The method of claim 534, claim 540, claim 543 or claim 551" should be replaced by --The method of claim 540, claim 543 or claim 551— because claim 534 has been canceled.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

9. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the

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art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 506-533, 535-541, 543, 545-557, 559-586, 588-596, 599-607, and 609-615 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Claims 506,530, 540, 543, 551, 559, 583, 593, 599 recite the limitation stack-based instructions and register-based instructions are executing in an execution unit. The present application does not describe this limitation. The present application describes a hardware accelerator that converts stack-based instructions into register-based instructions. Nowhere in the specification describes that only one execution unit executes both stack-based and register-based instructions.

All other claims are depended claims of the claims 506,530, 540, 543, 551, 559, 583, 593, 599 and have the same limitations as the independent claims thus rejected under the same reason.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chameli Das whose telephone number is 571-272-3696.

The examiner can normally be reached on Monday-Friday from 7:00 A.M. to 3:30 P.M.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Tuan Dam can be reached at 571-272-3695. The fax number for this group is (571) 273-8300.

An inquiry of general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is 571-272-2100.

Chamel C. Das
CHAMELI C. DAS
PRIMARY EXAMINER
9/29/05